

### **ABSTRACT**

A dual tandem pump apparatus having a pair of coaxially arranged pump shafts and a separate input shaft that is not coaxial with the pump shafts. The trunnion arms for the two pumps may be mounted in different locations to increase application flexibility. Charge pumps  
5 may be mounted on end caps secured to the housing or may be driven directly by the input shaft. A coupler or bevel gear arrangement is used inside the pump housing to drive the pump shafts from the input shaft.

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